

In the Claims:

1. (Original) A method of storing temporally spaced apart bursts of data records in a database, comprising:

deferring building an index for a plurality of data records in a respective burst until after storing the plurality of data records in the respective burst in the database.

2. (Currently Amended) A method according to Claim 1 wherein [[the]] deferring building an index for a plurality of data records in a respective burst until after storing the plurality of data records in the respective burst in the database comprises:

deferring building an index for all the data records in a respective burst until after storing all the data records in the respective burst in the database.

3. (Currently Amended) A method according to Claim 2 wherein the temporally spaced apart bursts of data records are received during a corresponding series of spaced apart time intervals, [[the]] and wherein deferring building an index for all the data records in a respective burst until after storing all the data records in the respective burst in the database further comprising comprises:

storing the spaced apart bursts of data records in the database during the corresponding series of spaced apart time intervals; and

beginning to build the index for a corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals.

4. (Currently Amended) A method according to Claim 3 wherein [[the]] beginning to build the index for a corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals comprises:

building the index for the corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals.

5. A method according to Claim ~~[[3]]~~ 4 wherein [[the]] building the index for the corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals comprises:

building the index for the corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals and prior to beginning a next one of the series of spaced apart time intervals.

a) 6. (Currently Amended) A method according to Claim 3 wherein [[the]] storing the spaced apart bursts of data records in the database during the corresponding series of spaced apart time intervals is performed by a first processor and [[the]] beginning to build the index for a corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals is performed by a second processor.

7. (Currently Amended) A method according to Claim 5 wherein [[the]] storing the spaced apart bursts of data records in the database during the corresponding series of spaced apart time intervals and building the index for the corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals and prior to beginning a next one of the series of spaced apart time intervals are performed alternately by a single processor.

8. (Original) A method according to Claim 1 wherein the database is an Indexed Sequential Access Method (ISAM) database.

9. (Original) A method of storing, in a database, temporally spaced apart bursts of data records that are received during a corresponding series of spaced apart time intervals, the method comprising:

storing the spaced apart bursts of data records in the database during the corresponding series of spaced apart time intervals; and

beginning to build the index for a corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals.

10. (Currently Amended) A method according to Claim 9 wherein [[the]] beginning to build the index for a corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals comprises:

building the index for the corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals.

a) 11. (Currently Amended) A method according to Claim ~~[[9]]~~ 10 wherein ~~[[the]]~~ building the index for the corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals comprises:

building the index for the corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals and prior to beginning a next one of the series of spaced apart time intervals.

12. (Currently Amended) A method according to Claim 9 wherein ~~[[the]]~~ storing the spaced apart bursts of data records in the database during the corresponding series of spaced apart time intervals is performed by a first processor and ~~[[the]]~~ beginning to build the index for a corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals is performed by a second processor.

13. (Currently Amended) A method according to Claim 11 wherein ~~[[the]]~~ storing the spaced apart bursts of data records in the database during the corresponding series of spaced apart time intervals and building the index for the corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals and prior to beginning a next one of the series of spaced apart time intervals are performed alternately by a single processor.

14. (Original) A system for storing temporally spaced apart bursts of data records, comprising:

a database; and

means for deferring building an index for a plurality of data records in a respective burst until after storing the plurality of data records in the respective burst in the database.

15. (Currently Amended) A system according to Claim 14 wherein the means for deferring building an index for a plurality of data records in a respective burst until after storing the plurality of data records in the respective burst in the database comprises:

means for deferring building an index for all the data records in a respective burst until after storing all the data records in the respective burst in the database.

16. (Currently Amended) A system according to Claim 15 wherein the temporally spaced apart bursts of data records are received during a corresponding series of spaced apart time intervals, the means for deferring building an index for all the data records in a respective burst until after storing all the data records in the respective burst in the database further comprising:

means for storing the spaced apart bursts of data records in the database during the corresponding series of spaced apart time intervals; and

means for beginning to build the index for a corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals.

17. (Currently Amended) A system according to Claim 16 wherein the means for beginning to build the index for a corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals comprises:

means for building the index for the corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals.

18. (Currently Amended) A system according to Claim ~~[[16]]~~ 17 wherein the means for building the index for the corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals comprises:

means for building the index for the corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals and prior to beginning a next one of the series of spaced apart time intervals.

19. (Currently Amended) A system according to Claim 16 wherein the means for storing the spaced apart bursts of data records in the database during the corresponding series of spaced apart time intervals is embodied in a first processor and the means for beginning is embodied in a second processor.

20. (Currently Amended) A system according to Claim 18 wherein the means for storing the spaced apart bursts of data records in the database during the corresponding series of spaced apart time intervals and means for building the index for the corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals and prior to beginning a next one of the series of spaced apart time intervals are activated alternately in a single processor.

21. (Original) A system according to Claim 14 wherein the database is an Indexed Sequential Access Method (ISAM) database.

22. (Original) A system for storing, in a database, temporally spaced apart bursts of data records that are received during a corresponding series of spaced apart time intervals, the system comprising:

means for storing the spaced apart bursts of data records in the database during the corresponding series of spaced apart time intervals; and

means for beginning to build the index for a corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals.

23. (Currently Amended) A system according to Claim 22 wherein the means for beginning to build the index for a corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals comprises:

means for building the index for the corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals.

24. (Currently Amended) A system according to Claim ~~[[22]]~~ 23 wherein the means for building the index for the corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals comprises:

means for building the index for the corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals and prior to beginning a next one of the series of spaced apart time intervals.

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25. (Currently Amended) A system according to Claim 22 wherein the means for storing the spaced apart bursts of data records in the database during the corresponding series of spaced apart time intervals is embodied in a first processor and the means for beginning to build the index for a corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals is embodied in a second processor.

26. (Currently Amended) A system according to Claim 24 wherein the means for storing the spaced apart bursts of data records in the database during the corresponding series of spaced apart time intervals and means for building the index for the corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals and prior to beginning a next one of the series of spaced apart time intervals are activated alternately in a single processor.

27. (Currently Amended) A system according to Claim 22 ~~in combination with~~ further comprising the database.

28. (Original) A computer program product for storing temporally spaced apart bursts of data records in a database, the computer program product comprising a computer-readable storage medium having computer-readable program code embodied in the medium, the computer-readable program code comprising:

computer-readable program code that is configured to defer building an index for a plurality of data records in a respective burst until after storing the plurality of data records in the respective burst in the database.

29. (Currently Amended) A computer program product according to Claim 28 wherein the computer-readable program code that is configured to defer building an index for a plurality of data records in a respective burst until after storing the plurality of data records in the respective burst in the database comprises:

computer-readable program code that is configured to defer building an index for all the data records in a respective burst until after storing all the data records in the respective burst in the database.

30. (Currently Amended) A computer program product according to Claim 28 wherein the temporally spaced apart bursts of data records are received during a corresponding series of spaced apart time intervals, the computer-readable program code that is configured to defer building an index for all the data records in a respective burst until after storing all the data records in the respective burst in the database further comprising:

computer-readable program code that is configured to store the spaced apart bursts of data records in the database during the corresponding series of spaced apart time intervals; and

computer-readable program code that is configured to begin to build the index for a corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals.

31. (Currently Amended) A computer program product according to Claim 30 wherein the computer-readable program code that is configured to begin to build the index for a corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals comprises:

computer-readable program code that is configured to build the index for the corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals.

32. (Currently Amended) A computer program product according to Claim ~~[[30]]~~ 31 wherein the computer-readable program code that is configured to build the index for the corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals comprises:

computer-readable program code that is configured to build the index for the corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals and prior to beginning a next one of the series of spaced apart time intervals.

33. (Currently Amended) A computer program product according to Claim 30 wherein the computer-readable program code that is configured to store the spaced apart

bursts of data records in the database during the corresponding series of spaced apart time intervals is configured to execute on a first processor and the computer-readable program code that is configured to begin to build the index for a corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals is configured to execute on a second processor.

34. (Currently Amended) A computer program product according to Claim 32 wherein the computer-readable program code that is configured to store the spaced apart bursts of data records in the database during the corresponding series of spaced apart time intervals and the computer-readable program code that is configured to build the index for the corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals and prior to beginning a next one of the series of spaced apart time intervals are configured to execute alternately on a single processor.

35. (Original) A computer program product according to Claim 28 wherein the database is an Indexed Sequential Access Method (ISAM) database.

36. (Currently Amended) A computer program product according to Claim 28 ~~in combination with~~ further comprising:

computer-readable program code that is configured to provide the database.

37. (Original) A computer program product for storing, in a database, temporally spaced apart bursts of data records that are received during a corresponding series of spaced apart time intervals, the computer program product comprising a computer-readable storage medium having computer-readable program code embodied in the medium, the computer-readable program code comprising:

computer-readable program code that is configured to store the spaced apart bursts of data records in the database during the corresponding series of spaced apart time intervals;
and

computer-readable program code that is configured to begin to build the index for a corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals.

38. (Currently Amended) A computer program product according to Claim 37 wherein the computer-readable program code that is configured to begin to build the index for a corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals comprises:

computer-readable program code that is configured to build the index for the corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals.

39. (Currently Amended) A computer program product according to Claim [[37]] 38 wherein the computer-readable program code that is configured to build the index for the corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals comprises:

computer-readable program code that is configured to build the index for the corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals and prior to beginning a next one of the series of spaced apart time intervals.

40. (Currently Amended) A computer program product according to Claim 37 wherein the computer-readable program code that is configured to store the spaced apart bursts of data records in the database during the corresponding series of spaced apart time intervals is configured to execute on a first processor and the computer-readable program code that is configured to begin to build the index for a corresponding one of the spaced apart bursts after expiration of the corresponding one of the series of spaced apart time intervals is configured to execute on a second processor.

41. (Currently Amended) A computer program product according to Claim 39 wherein the computer-readable program code that is configured to store the spaced apart bursts of data records in the database during the corresponding series of spaced apart time intervals and the computer-readable program code that is configured to build the index for the corresponding one of the spaced apart bursts after expiration of the corresponding one of the

series of spaced apart time intervals and prior to beginning a next one of the series of spaced apart time intervals are configured to execute alternately on a single processor.

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42. (Currently Amended) A computer program product according to Claim 37 ~~in combination with~~ further comprising computer-readable program code that is configured to provide the database.
